9. The intake air cooling device for an engine according to claim **8**, wherein

the first fixing portions are formed at a plurality of positions circumferentially on an outer surface of the intake manifold, and

the second fixing portions are formed at a plurality of positions circumferentially on the outer surface of the intake manifold, the positions of the second fixing portions being different from the positions of the first fixing portions.

10. The intake air cooling device for an engine according to claim **8**, wherein

the intake manifold includes:

a plurality of independent passages communicating with the intake ports; and

a collecting portion located on an upstream side in the intake air flow direction than the independent passages, the collecting portion being a space where the independent passages are collected, and

a surge tank constituted by an internal space of the connecting portion of the intercooler and the collecting portion is formed by cooperation of the connecting portion of the intercooler.

11. The intake air cooling device for an engine according to claim **8**, wherein

the intercooler body includes:

a cooling portion with a cooling core for circulating a coolant; and

a guiding portion located below the cooling portion, and configured to guide intake air cooled through the cooling core to the connecting portion, and

the tool insertion through-hole is formed in the guiding portion.

12. The intake air cooling device for an engine according to claim **8**, wherein

the surface of the cylinder head is a tilted surface tilted obliquely upwardly,

the intake manifold extends vertically with respect to the surface of the cylinder head, with an upstream end of the intake manifold in the intake air flow direction being formed of a vertical surface,

the first fixing portions are formed along the surface of the cylinder head, and

the second fixing portions are formed vertically along the upstream end of the intake manifold.

13. The intake air cooling device for an engine according to claim **11**, wherein

the cooling core has a shape tilted downwardly from a cylinder head side toward a side opposite to the cylinder head, and

the tool insertion through-hole is tilted along the cooling core.

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